

Study of the membrane-extraction properties of O-hexyl-(N,N-di-2-ethylhexyl)methylphosphonic acid

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Abstract

© 2016 Taylor & Francis Group, LLC. It was found that the O-hexyl-(N, N-di-2-ethylhexyl)methylphosphonic acid is a good membrane carrier for lithium ion. Thus, the O-hexyl-(N, N-di-2-ethylhexyl) methylphosphonic acid exhibits a sufficiently high ability to transfer lithium and sodium ions through the liquid membrane, and also exhibits high selectivity for lithium ions.

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Keywords

Alkaline metals, membrane extraction, supported liquid membrane